

Name _____

Solve for a Variable

1. $a - 2b = c$ for a

2. $a + 2b = c$ for a

3. $d = rt$ for t

4. $d = rt$ for r

5. $A = bh$ for h

6. $A = bh$ for b

7. $i = prt$ for r

8. $p = a + b + c$ for c

9. $\frac{x}{y} = z$ for x

10. $C = 2\pi r$ for r

11. $V = \frac{1}{3}Bh$ for B

12. $A = \frac{1}{2}bh$ for h

13. $2m + n = p$ for m

14. $a + 2b = c$ for b

15. $r - 5s = t$ for s

16. $8 - \frac{r}{s} = t$ for r

17. $p = 2(L + W)$ for L

18. $S = 180(n - 2)$ for n

19. $K = \frac{IEh}{1000}$ for h

20. $4x + 3y = 7$ for y

21. $L = a + d(n - 1)$ for d

22. $S = \frac{n}{2}(a + 1)$ for a

23. $2s - 3t = 4$ for s

24. $2a - b = c$ for a

What Do Biologists Do When They Visit France?

Solve each formula for the indicated variable. Circle the letter next to your answer.
Write this letter in the box at the bottom of the page containing the exercise number.

$d = rt$, for r E $r = \frac{d}{t}$ M $r = \frac{t}{d}$	$B = T - Lc$, for T V $T = \frac{B}{Lc}$ O $T = B + Lc$	$S = 2\pi rh$, for h L $h = \frac{2\pi S}{r}$ I $h = \frac{S}{2\pi r}$	$E = mc^2$, for m A $m = \frac{E}{c^2}$ W $m = \frac{c^2}{E}$	$A = \frac{bh}{2}$, for b S $b = \frac{Ah}{2}$ T $b = \frac{2A}{h}$
$y = mx + b$, for b T $b = \frac{mx}{y}$ N $b = y - mx$	$y = mx + b$, for x G $x = b - my$ I $x = \frac{y - b}{m}$	$I = \frac{E}{R}$, for E E $E = IR$ I $E = \frac{I}{R}$	$V = \pi r^2 h$, for h T $h = \frac{\pi V}{r^2}$ G $h = \frac{V}{\pi r^2}$	$T = p + prt$, for r A $r = \frac{T - p}{pt}$ K $r = \frac{T - pt}{t}$
$A = \frac{\pi r^2 S}{360}$, for S E $S = \frac{360A}{\pi r^2}$ F $S = \frac{360}{\pi r^2} A$	$p = 2l + 2w$, for w N $w = \frac{p + l}{2}$ Y $w = \frac{p - 2l}{2}$	$V = \frac{1}{3} Bh$, for h P $h = 3VB$ S $h = \frac{3V}{B}$	$P = a + (n - 1)b$, for b H $b = \frac{P - a}{n - 1}$ R $b = \frac{(n - 1)a}{P}$	$h = vt - 16t^2$, for v S $v = \frac{h + 16t^2}{t}$ B $v = \frac{16t^2 - h}{t}$
$m = \frac{2E}{v^2}$, for E L $E = 2mv^2$ G $E = \frac{mv^2}{2}$	$A = \frac{a + b + c}{3}$, for c N $c = \frac{3A}{a + b}$ T $c = 3A - a - b$	$S = \frac{1}{2} at^2$, for t^2 P $t^2 = \frac{2S}{a}$ F $t^2 = \frac{2a}{S}$	$F = \frac{9}{5} C + 32$, for C T $C = \frac{5}{9} F + 32$ E $C = \frac{5}{9} (F - 32)$	$V = \frac{4}{3} \pi r^3$, for r^3 R $r^3 = \frac{3V}{4\pi}$ D $r^3 = \frac{4V\pi}{3}$

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